

MEDICAL DEPARTMENT ANNUAL REPORT 1954

By

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COLONY OF NORTH BORNEO

DEPARTMENTAL ANNUAL REPORT

PUBLIC HEALTH

General Health

In so far as no outbreaks of major infectious disease occurred in the Colony during the year 1954, and indeed no case of any of the major epidemic diseases occurred, it may be said that the year was a healthy onc. Nonetheless, certain important diseases causing chronic ill health and diminished economic efficiency continue to exert their effect. These are primarily malaria, tuberculosis and intestinal infestations. There is evidence of an increasing public concern as to the effects of these diseases, particularly in the case of tuberculosis. The demand for modern drugs to treat tuberculosis has increased threefold in the past two years, and improved X-ray and other diagnostic facilities have brought to light many new cases, previously suspected but not proved. examination of contacts of known cases has further disclosed other cases. In view of the difficulties encountered in obtaining adequate statistical information it cannot be concluded that the increased numbers treated really represent a great increase in the disease.

Reported cases of tuberculosis for the year were 755 and 5,272 for malaria. These figures are derived from the returns sent in from the seven major stations at which Medical Officers are posted, and may thus be regarded as being reasonably accurate. It is of interest to note that from all the stations including those where the returns and reporting are done by trained nurses and dressers without medical qualification, the figures amount to 1,150 for tuberculosis and 34,811 for malaria.

A further rough estimate of the incidence of these two diseases may be gauged from the figures submitted in respect of "chronic bronchitis," which were 8,085 and "anaemia" which were 8,735. Naturally not all the chronic bronchitis can be assumed to be tuberculosis, and nor can all the anaemia be regarded as the result of malaria, but the figures are instructive.

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A disease which has hitherto not received much mention in these reports is scrub typhus. This undoubtedly exists, and 9 confirmed cases were reported. An Anglo-American research team spent some time in the Colony in 1953 when a number of potential vectors were identified, and this team is expected to return for further investigations in 1955.

All Medical Officers report that the incidence of the large tropical ulcers so common in the immediate post-war period, and even down to 1952, has substantially decreased.

Filariasis occurs in certain isolated "pockets" which are now becoming better defined. The residual spraying of insecticides planned under the malaria control scheme for 1955 will, it is confidently hoped, reduce substantially this disease also.

With improving sanitation consequent upon the rebuilding of many of the larger population centres throughout the Colony and public works designed to improve water supplies and drainage, it is reasonable to expect steady improvement in public health. From most of the Medical Officers reports on the general health of the population indicate a slow improvement. The vaccinal state of the population in seaport towns who are most exposed to the risk of introduced smallpox is fairly good. Small outbreaks of minor epidemic disease are reported from various centres, but none of them assumed epidemic proportions. An outbreak of influenza followed by pneumonia was reported in Keningau, but it was also remarked that this responded extremely well to treatment. It is customary with some of the indigenous inhabitants, who find themselves to be suffering from fever, whether caused by malaria or by some upper respiratory tract infection, to immerse their bodies in the nearest river with the object of cooling themselves. Unfortunately this often leads to pneumonia. From Kudat an increased number of cases of diarrhoea and vomiting among children was reported, very possibly due to the shortage of good water supplies. It is frequently noticed that an unusually dry spell, coupled with the fruit season, leads to such outbreaks.

Almost all stations report that though there are still small pockets of yaws in various places, there is no doubt whatever that the disease is substantially less than in previous years.

Although few in numbers comparatively, there is a steady flow of patients to hospitals seeking treatment for eye diseases. Many of these are the results of infection, and the eye is often destroyed or irreparably damaged before treatment in hospital can be begun. This state of affairs should be improved in future with the appointment of an Inter-Territorial Ophthalmologist, due to begin work in 1955.

Vital Statistics

During 1953 the printed report of the Census held in 1951 became available and has been of great value in assessing the public health needs of the Colony. The census report particularly remarked on the striking differences in the survival rate of children in different communities. It was remarked that almost 93% of Chinese children survived, whereas for natives in general other than Muruts, a comparable figure is 70% and for Muruts in particular whose birth rate was in any case shown to be very much lower than the other races, only 50%. It was for this. reason that the Government requested the services of a social anthropologist and a medical investigator for the express purpose of investigating the causes of the decline of the Muruts. these specialists have been at work in North Borneo during the year 1954, and it is expected that they will continue their studies into 1955. No conclusions can yet be reached regarding the causes of the decline of the Murut population, but both investigators remark that there is no doubt that sterility appears to be a real problem in some places. Throughout the Colony the neonatal and infantile mortality rates are known to be high, and it is thought that malaria is responsible for a great deal of this. Nevertheless Medical Officers, particularly from the Beaufort, Keningau and Kudat districts, report a steady improvement, in that the birth rates appear to have increased, and the death rates to have decreased. Similarly all stations report a steady downward trend in infant mortality.

Registration of births and deaths continues to improve, but still leaves much to be desired, particularly among the less literate sections of the population. For this reason statistics relating to such matters as maternal and infant mortality and morbidity from various causes are not reliable. In the larger centres and where certification is made by a medical practitioner, the figures are naturally a great deal more accurate. Unfortunately the rural and loss literate people are those who stand most in need of medical assistance and public health measures. In certain districts where medical officers have been able to compile reasonably accurate reports it seems that the neonatal and infantile death rates are in fact declining. This is particularly noticeable in districts well served by maternal and child welfare clinics. For example in the Keningau area comparative figures are:-

Infantile Deaths per 1000 live births

1951	1952	1953	1954
129.4	100.0	100.7	84.1

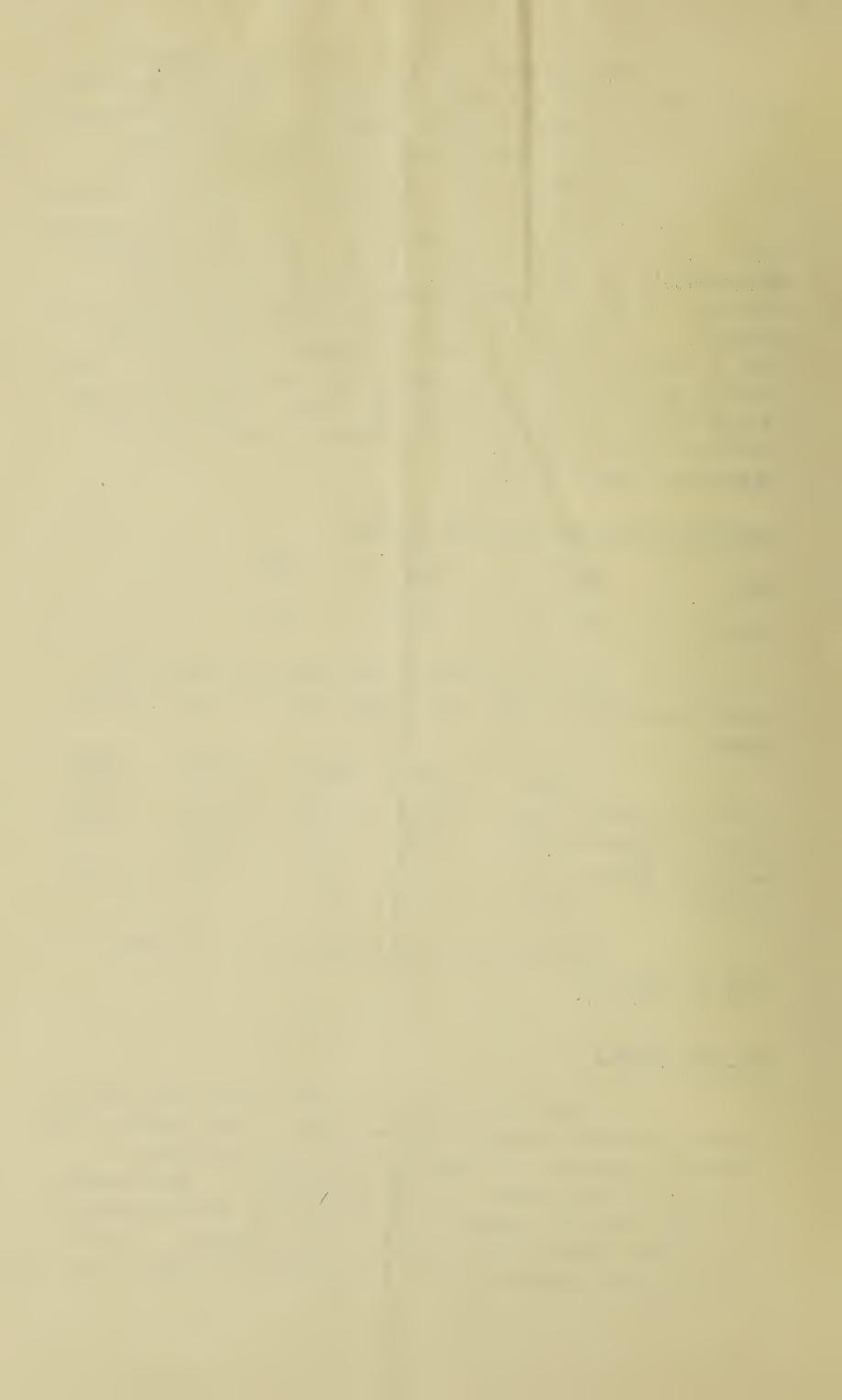
The figures showing the number of births and deaths registered in 1950, 1951, 1952, 1953 and 1954 are given below:

	1950	1951	1952	1953 W Hart Mind SEP SANDANIA	1954
Births registered	9,064	10,435	11,457	11,155	12,115
Deaths registered	4,320	4,503	4,395	4,405	3,918
Excess of Births over Deaths	4,744	5,932	7,062	6,750	8,197

The total estimated population at the end of 1954 was 367,757.

Malaria Control

Malaria continues to be one of the most serious single causes of ill health in the Colony. This disease is not common in the towns and built-up areas, but does affect - severely, in many cases - the rural population. These people are those primarily engaged in agriculture of upon whom much of the economic welfare of the Colony greatly depends. A pilot scheme for the control of malaria is expected to begin in the



middle of 1955. This scheme is jointly sponsored by the Government, the World Health Organisation and the United Nations International Children's Fund. The project aims at the eradication of malaria by the spraying of dwelling houses with residual insecticides. It is also intended to construct from information already available and by means of investigations on the spot, a malaria map of the Colony. It is already highly probable that the vector of malaria in most places is

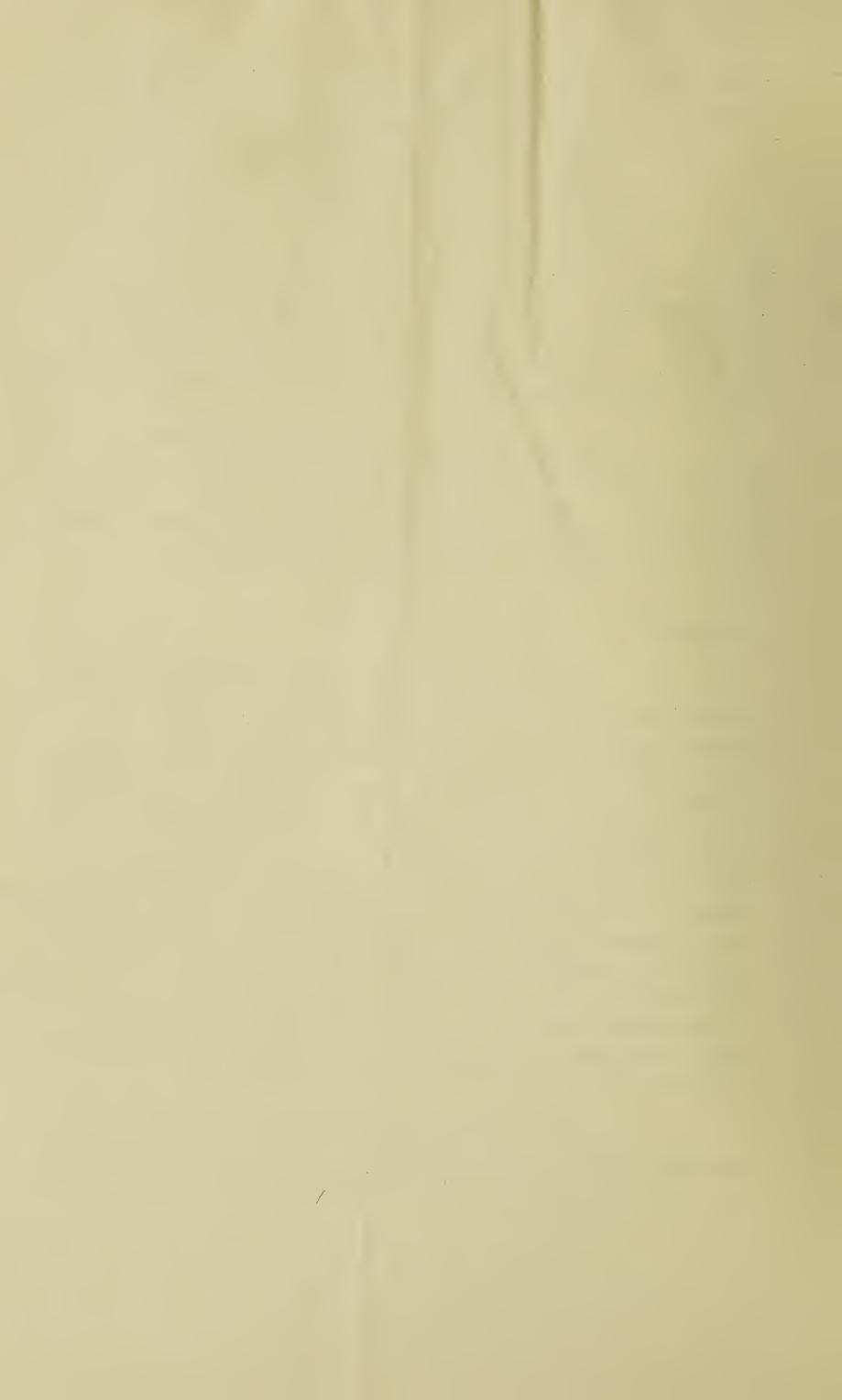
A. leucosphyrus. That malaria is a serious problem throughout the Colony, is shown by the reported figures for the year which are 34,811. Comparatively few cases of cerebral malaria are reported, and blackwater fever may now be considered as very rare.

Should the pilot scheme prove effective, then it is intended that residual spraying should be extended to cover the entire Colony. Encouraging results so far obtained in a similar scheme in the adjacent territory of Sarawak make it seem possible that the methods to be employed will prove successful.

Tuberculosis

Although more persons suffer from malaria than tuberculosis, yet, at the same time, pulmonary tuberculosis causes much prolonged ill health in the Colony today. The malaria sufferer, if treated, recovers comparatively quickly, whereas it is very difficult to persuade tuberculosis patients to continue the prolonged course of treatment necessary. The reports of Medical Officers who deal with cases of the disease, the results of routine examinations and the investigations undertaken by voluntary social workers, all point to the incidence of the disease being high. The North Borneo Anti-Tuberculosis Association (NOBATA), originally formed in the year 1953, has continued its good work in 1954. The Association is most active in propaganda designed to prevent tuberculosis, and spends a very large proportion of its funds on relief and welfare work among sufferers from tuberculosis and their dependants.

Departmental resources for the diagnosis of tuberculosis have been strengthened by the acquisition during the year of an Odelca 70 m.m. Mirror Camera for use with the



new X-ray equipment available in the Jesselton Hospital. A new X-ray plant was installed towards the end of the year in the Duchess of Kent Hospital, Sandakan.

It is confidently hoped that, by means of the Odelca camera, it will be possible, firstly, to increase substantially the number of persons whose chests are examined by X-rays and, secondly, to reduce proportionately the large sums spent annually on X-ray films.

The Government propose that at various centres throughout the Colony, special wards for the treatment of tuberculosis patients should be erected. These will be of light construction, airy, well ventilated and will provide, in addition to sanatorium treatment, an element of rehabilitation for the tuberculous. This will relieve the strain on the general hospitals, and at the same time make more beds available for treatment and rehabilitation.

Intestinal Disorders

As in all tropical countries where standards of hygiene and sanitation are low, bowel infections form a high proportion of the diseases encountered. However, improved sanitation both as regards disposal of night soil and refuse, and improved water supplies, will substantially reduce the number of bowel diseases in the urban areas. The rural community still rely on unprotected wells and polluted rivers and streams as sources of water, whilst the disposal of excreta in most rural areas is unsatisfactory. A large proportion of the general population harbours more than one kind of intestinal parasite, although serious epidemics of bowel infections are remarkably rare. It is by no means clear why epidemics of bowel diseases are comparatively rare. One possibility is that, in the absence of sufficient qualified medical staff, cases of typhoid fever, for example, pass unrecognised and undiagnosed and are merely recorded as "fever". On the other hand, the theory has been advanced that, by reason of the heavy rainfall almost daily, rubbish and excreta are washed away at frequent intervals. It is noticeable that flies are not as numerous as might at first



sight be expected, and the possible explanation is that their ova and larvae are vulnerable both to the heavy rainfall and to the large numbers of ants which are found everywhere.

There is an apparent increase in amoebiasis.

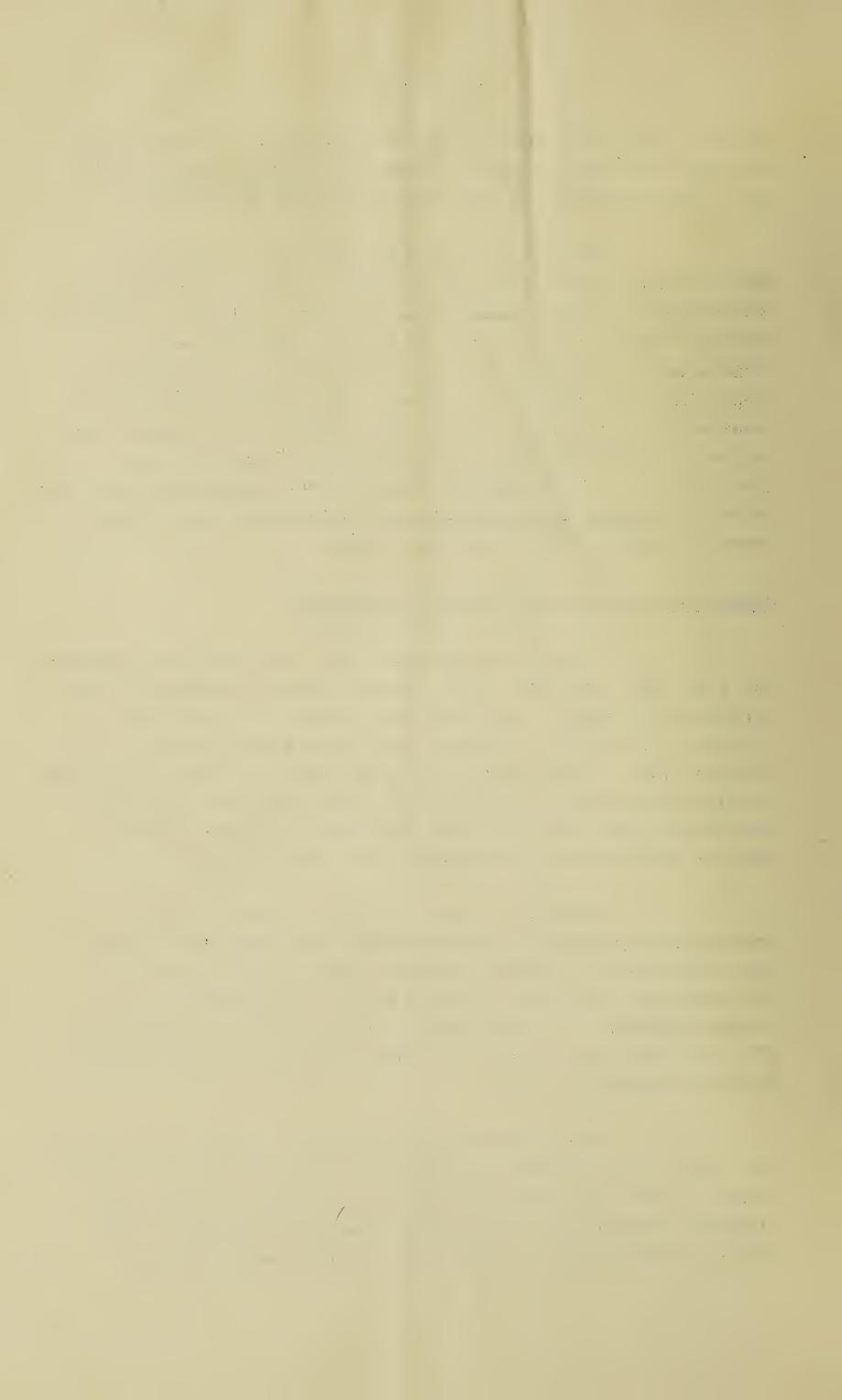
Most stations report that the disease is common and frequently discovered on routine examination of stool specimens. Medical Officers report that, in view of the low standards of environmental hygiene in various small towns, it is perhaps surprising that there is not more. All Medical Officers are unanimous in reporting a heavy worm infestation of almost every person presenting himself for treatment at hospitals and dispensaries. The commonest types of worm infestation are those caused by Ascaris lumbricoides and Ankylostomes; and in most cases at least a double infection exists.

General Sanitation and Preventive Measures

10 Health Inspectors were under tuition throughout the year 1954, and were due to complete their training in the early part of 1955. They have been taught by a qualified teacher made available through the generous assistance of the Colombo Plan. The course of training has been practical as well as theoretical and the probationer inspectors have taken the opportunity, as a part of their training, of investigating special public health problems as they have arisen.

Towards the end of 1953 the World Health
Organisation provided a Consultant Sanitary Engineer to look
into and advise the Public Works and Medical Department on
environmental sanitation, with particular reference to urban
sewage disposal. A second engineer was made available during
1954, and the work of planning modern sanitation for the major
towns has progressed well.

Routine Port Health work was carried on throughout the year with no special matters of interest to report. The Colony is well protected in regard to shipping arriving from Singapore, which has already been thoroughly screened. The major potential danger would seem to lie in small coastal



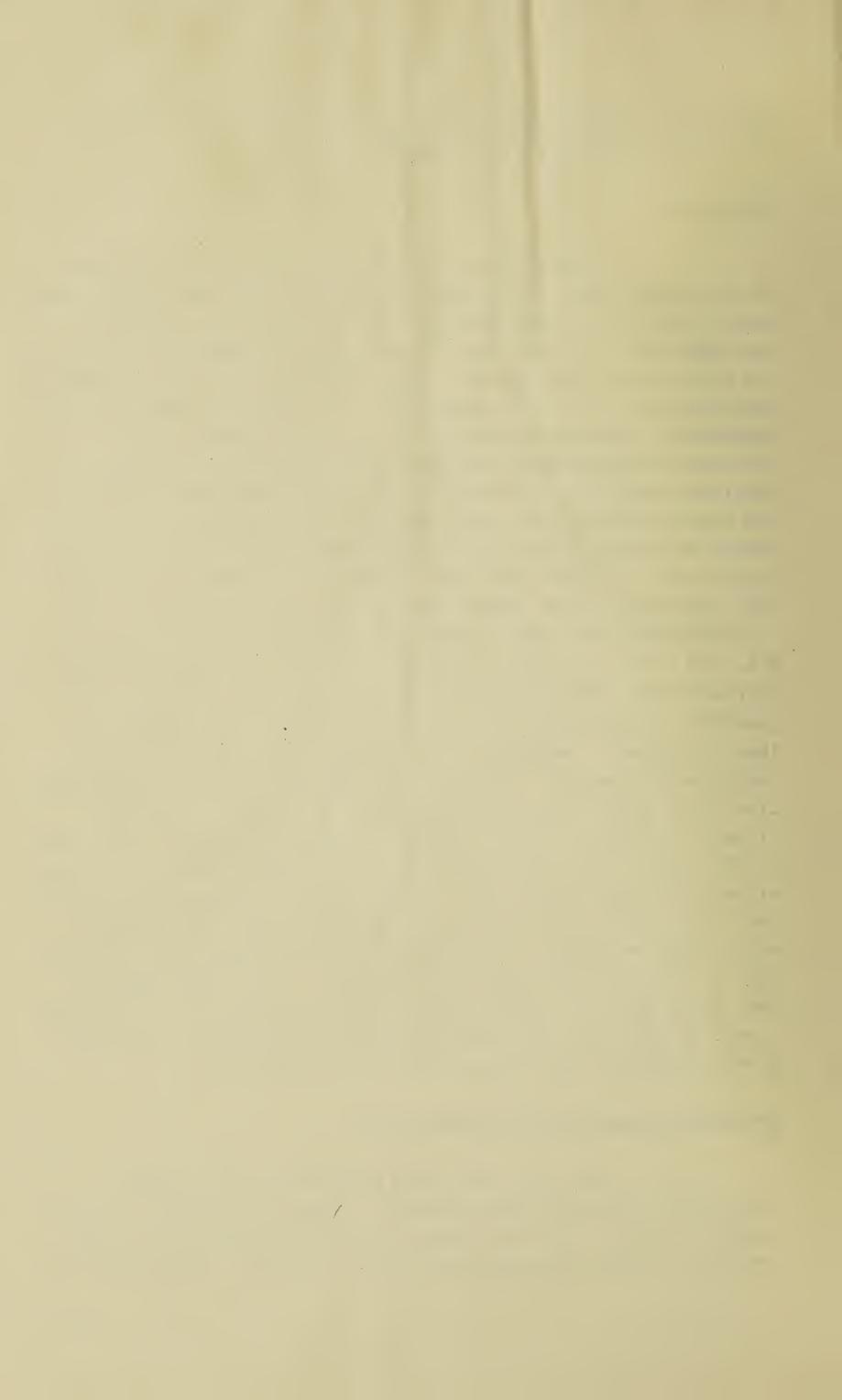
vessels and fishing boats arriving at isolated spots along the coast from neighbouring territories.

Nutrition

Starvation as such has been practically unknown in the Colony since the Japanese occupation, but many of the rural population fail to appreciate the necessity to include fruit and vegetables in their diet and as a result cases of avitaminosis are met with here and there. The remedy lies in proper education, particularly that of the housewife. To this end advice and diet supplements are made available at the Health Centres and Government dispensaries throughout the Colony, and, through the generous assistance of UNICEF, Maternal and Child Welfare Clinics and Health Centres have received additional supplies. As a result of these drug and diet supplements, attendances at all the clinics have greatly increased. UNICEF has agreed to continue for a further 2 years these supplies on a similar scale. is noteworthy that surprisingly large quantities of Vitamins B 1, B 12 and C are regularly required at the various hospitals and dispensaries. With improving health education, it should be possible in some measure to reduce the demands for supplies of these vitamins. Supplies of fat soluble vitamins are also in considerable demand. This is less surprising since, apart from fish liver oils, there are few sources of supply of natural Vitamin A available to the public. Medical Officers report that on the whole, nutrition appears to have improved during the year, although as has already been stated, little advantage is taken of the supplies of fresh vegetables and fruits which are grown or which might be grown. In certain inland districts the introduction of fish ponds has met with success. It is also remarked that those persons who live in the coastal districts and who have access to plentiful and cheap supplies of fish are on the whole better nourished than those living in the interior.

Government Hospitals and Dispensaries

There are two major hospitals in the Colony situated at Jesselton and Sandakan. Their total number of beds amounts to 350. At these General Hospitals, provision is made for full medical and surgical care of patients. Very adequate



operating theatre facilities, X-ray departments, and laboratories are available; and special wards are set aside for maternity cases, for children, and for the treatment of acutely ill tuberculosis patients and other infectious diseases. Nevertheless such are the increasing needs of modern methods of medical and surgical care that additional equipment is always in demand. This is particularly so in the case of apparatus for physiotherapy.

There are, in addition, 5 cottage hospitals totalling 192 beds, at each of which a Medical Officer is stationed. By reason of limitations of staff, it has not been possible to staff each of these hospitals with a Medical Officer throughout the year, but 4 Medical Officers have been available for the 5 hospitals. Each of these smaller hospitals acts as a centre for the surrounding districts which are regularly toured by the Medical Officer-in-Charge, or by his subordinate staff.

There are 10 Outstation dispensaries with restbeds to the number of 156 beds in all, which are under the charge of a senior trained dresser and regularly visited by a Medical Officer. In addition, there are 11 smaller dispensaries at which out-patient treatment is available but at which no beds for in-patients are provided.

During the year 12,060 in-patients were treated as compared with 10,933. In 1953 out-patients numbered 280,812 as compared with 271,715. New hospital buildings were completed in Labuan where a new operating theatre and out-patients' department were creeted. In Beaufort a new out-patients' department, Dressers' quarters and Attendants' quarters were built and in Kudat an X-ray room and X-ray plant were installed. In Tawau an X-ray room and plant were installed and the hospital buildings provided with electric light and an adequate piped water supply.

The two major health centres in Jesselton and Sandakan continued work on an expanding scale throughout the year. These centres are designed to provide ante and postnatal clinics and infant welfare clinics in the two large population centres. Despite the fact that in certain interior

districts the population increase appears to be comparatively small or even so low that certain communities are in danger of actually diminishing, it is evident that in the larger population centres, and particularly amongst the Chinese, there is a real demand for assistance in family limitation.

Both centres receive support and assistance from the local branches of the British Red Cross Society and the St. John Ambulance Association.

The new nurses' quarters in Jesselton were completed during 1954 and it is expected that they will be occupied early in 1955, although the Jesselton Hospital new buildings were not yet begun by the end of the year.

Travelling Clinics

Regular travelling is done from all the hospitals and dispensaries where departmental staff are posted. In certain districts, of which Keningau is the most notable, travelling has increased three to four-fold in the past year, and this is reflected in reports of improved health of the population. The Keningau district has for some years been a centre for the training of village midwives. At 7 main centres and 7 sub-centres drug and diet supplements have been made available by UNICEF, and in addition to the good results of treatment now seen, these increased supplies have resulted in increased attendances at all the clinics concerned.

Ambulances

Two new light ambulances were acquired during the year, one of which is stationed at Jesselton and the other at Kudat in replacement of wern out vehicles. A plan has been drawn up for the replacement of ambulances throughout the Colony on a 5-year Colonial Development and Welfare plan.

School Health

The enactment during the year of a new Education Ordinance and Rules made thereunder, should go far to improve

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the health of schoolchildren. Improved provision is made for sanitation at all schools and for the regular medical inspection of teachers and pupils. In particular, schoolteachers will be expected to submit to X-ray examination of the chest every year. The new Ordinance also gives increased powers to Medical Officers and various subordinate members of the Health Department staff to visit and inspect schools, as well as improving school conditions generally as regards health.

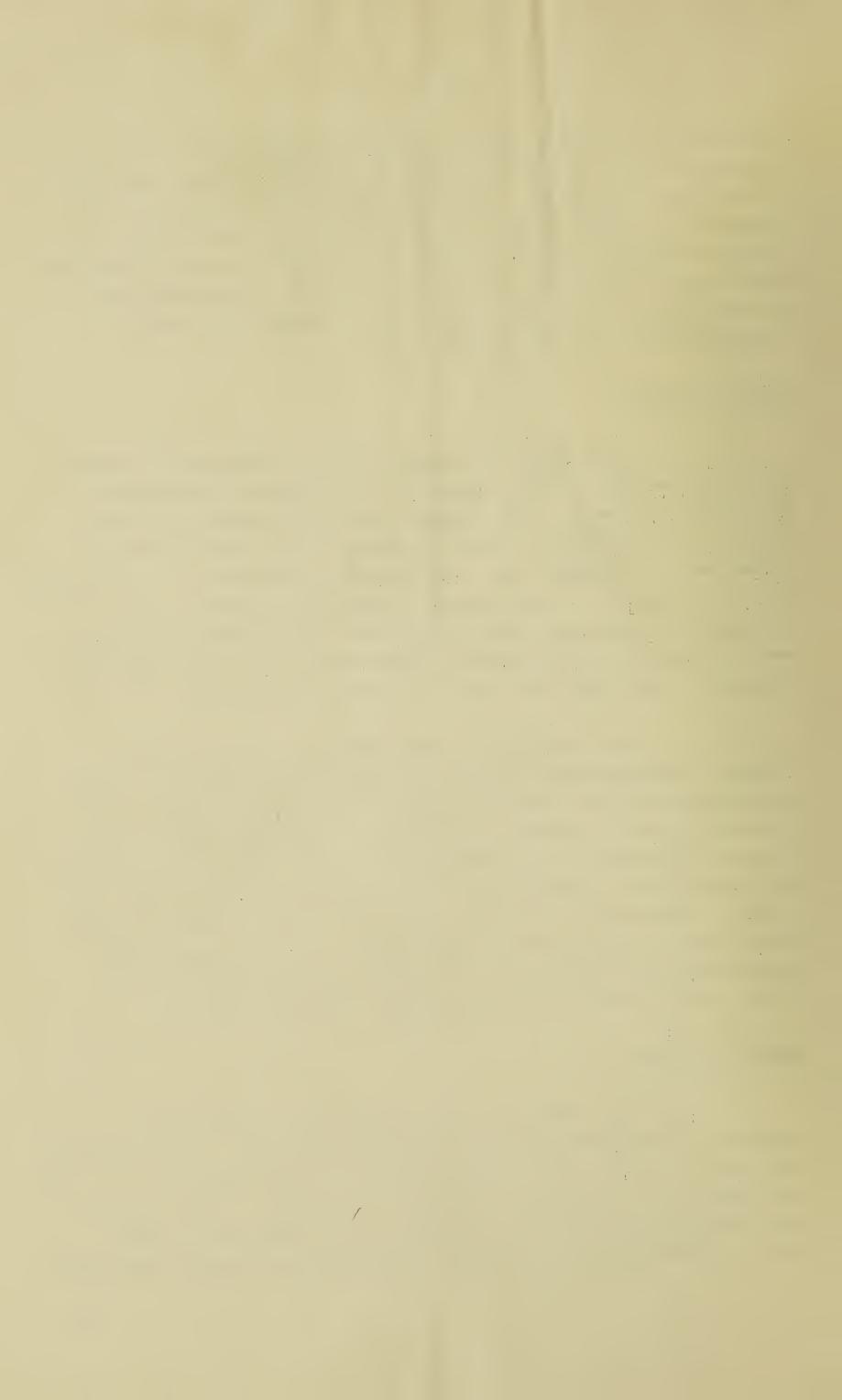
Leper Settlement

Island in Sandakan harbour has held an average of 50 patients throughout the year. The inmates, who have greatly benefited from the introduction of modern methods of treatment, occupy themselves in fishing, boat building and agriculture. A voluntary welfare committee is very active in providing comforts and occupational diversion for the inmates. That leprosy is not a serious public health problem is indicated by the fact that an average of only four new lepers is admitted each year.

The buildings in the Leper Settlement are of temporary construction and are scheduled for replacement. The opportunity will be taken to rebuild the whole settlement at a better site on the island, which is more spacious and will give better facilities for agricultural pursuits. As may be expected some difficulty is experienced in placing cured lepers back into useful occupations. In this, however, the Leper Welfare Relief Committee is of the greatest assistance. Certain unfortunate individuals, who although cured, are so handicapped that they cannot earn their own living, present a special problem.

Mental Hospital

For some time past, conditions at the Mental Hospital in Sandakan have given cause for anxiety. Approximately 100 mental patients are normally housed in this hospital, but the buildings are old and ill suited to the purpose. Such repairs and renovations as have been possible were completed in 1954, but the provision of a new mental hospital is an urgent necessity,



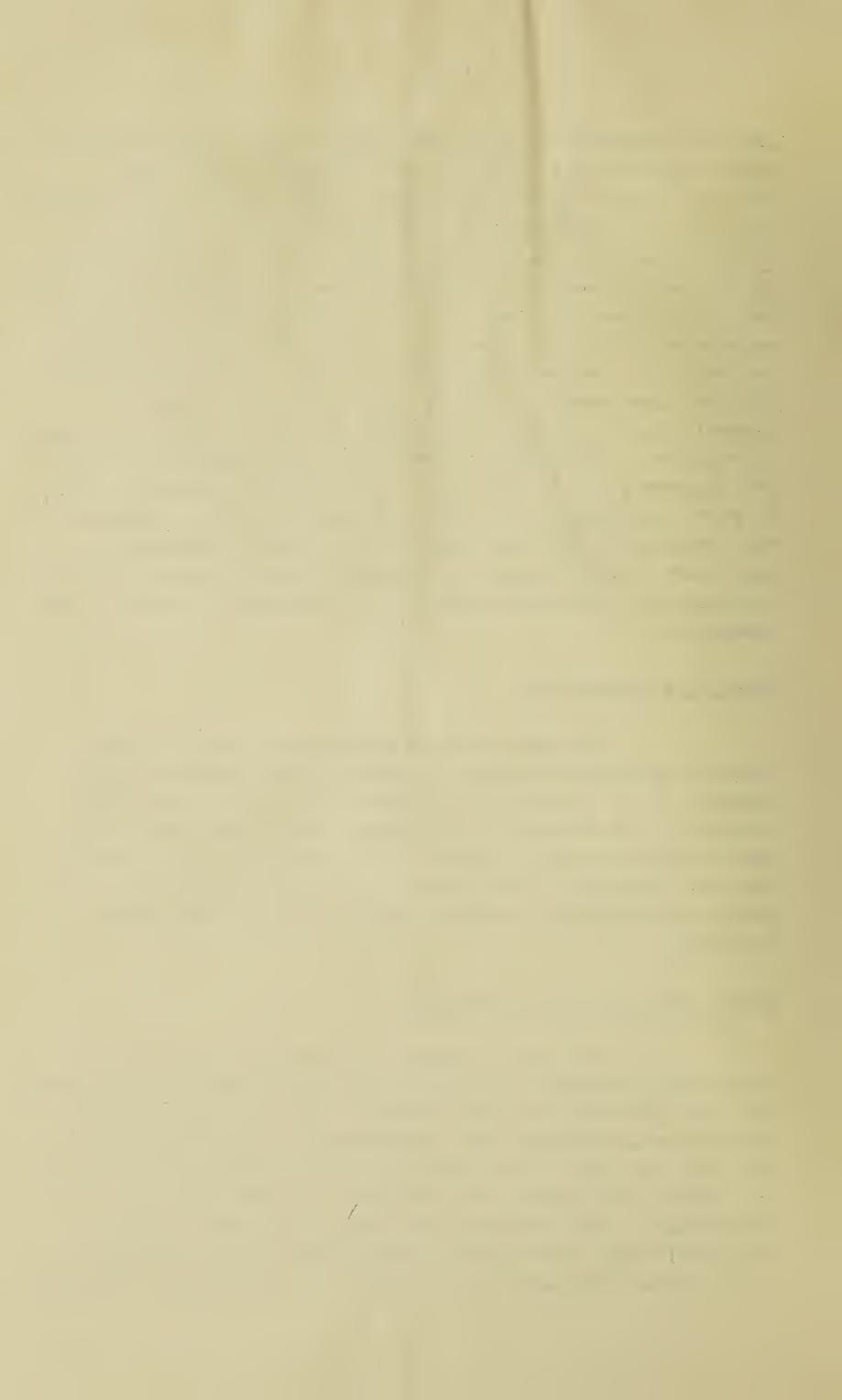
and the Government has plans well advanced for a completely new mental hospital to be built on a site adjacent to the new Duchess of Kent Hospital in Sandakan. The staff of this Hospital was due to be strengthened by the arrival, early in 1955, of a fully trained male mental nurse. Most of the patients admitted to the Mental Hospital are suffering from some intercurrent disease. Many of them are toxic and almost all need treatment for malaria, anaemia and intestinal parasites. Once this has been achieved, the individual generally responds very well to further treatment. With the improvement in general conditions, it is hoped to introduce modern methods of treatment for mental diseases as soon The numbers of mental patients admitted to hospital as possible. are apparently low in relation to the population figures. is partly explained by the fact that relatives are in general very well prepared to care for those who are mentally afflicted until such time as the patient becomes either so violent or is so irresponsible and untrustworthy as to constitute a danger to the community.

Travelling Dispensaries

The Motor Ambulance Dispensary operating from Jesselton continues to serve the needs of the immediate neighbourhood, as it operates to a distance of up to 20 miles from Jesselton. On the East Coast regular visits were paid to the more remote stations by launch. At the end of the year plans were well advanced for the completion, early in 1955, of a Travelling Dispensary to operate on the railway system from Jesselton.

Estate Hospitals and Dispensaries

The Labour Ordinance provides for employers of labour being required to furnish hospitals and medical supervision, care and treatment for their workers. All the larger estates and industrial concerns have dispensaries or small hospitals, and during the year there were 33 places of employment at which such medical facilities were provided. A scheme has been formulated to enable dressers for estates and other commercial enterprises (who are required to employ them under the terms of the Labour Ordinance) to be trained in the Government training



schools. So far only one employer has taken advantage of this scheme in which the training is offered free of charge.

Staff

The Department is administered by a Director and a Deputy Director of Medical Services, with a Colony Matron and a Medical Accountant-Storekeeper at Headquarters in Jesselton. During the year the establishment of 12 medical officers in addition to the Colony Surgeon and the Dental Surgeon was under strength by reason of illness, retirement and transfers.

Teaching was continued by the W.H.O. sister-tutor project. A second tutor arrived in 1954, and a full course of training for dressers and nurses was firmly established. A W.H.O. Public Health sister-tutor was stationed in Jesselton throughout 1954. In addition to the training under the WHO scheme, classes were held throughout the year in the major hospitals. They were conducted by the Medical Officers, Matron and Nursing Sisters with the assistance of a private general practitioner. Teaching has been further supplemented by the valuable work done in this respect by a Laboratory Technician made available to the Colony by Australia, under the Colombo Plan. Ten probationary health inspectors have been training throughout the year, since March under the direction of a Health Inspector Tutor from New Zealand, who is also provided under the Colombo Plan.

Returns from Operating theatre and Dental Departments

These will be found in appendices A and B respectively.

Visitors

In January two Senior Nursing officials of the W.H.O. visited the Colony, and in the same month a distinguished Swiss hospital architect paid a short visit.

In April the President of the British Medical Association spent a short time in the Colony during the course of his Far Eastern tour.

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In May the adviser in Pediatrics to the W.H.O. Western Pacific Region paid a visit.

A senior Surgeon of the Singapore General Hospital visited the Colony at the request of the Government in June, and in July an investigator into the decline of Muruts from the University of Malaya arrived. He was joined in September by a social anthropologist engaged in the same investigation. In September also the Medical Superintendent of the Woodbridge Mental Hospital in Singapore paid a visit to the Colony to advise on the treatment and welfare of mental patients.

In October a smallpox Consultant from the Western Pacific Region of WHO paid a visit, and in November the Resident Representative of the United Nations Childrens Fund. In December the adviser in environmental sanitation of the W.H.O. Western Pacific Region spent some time in the Colony.

Expenditure

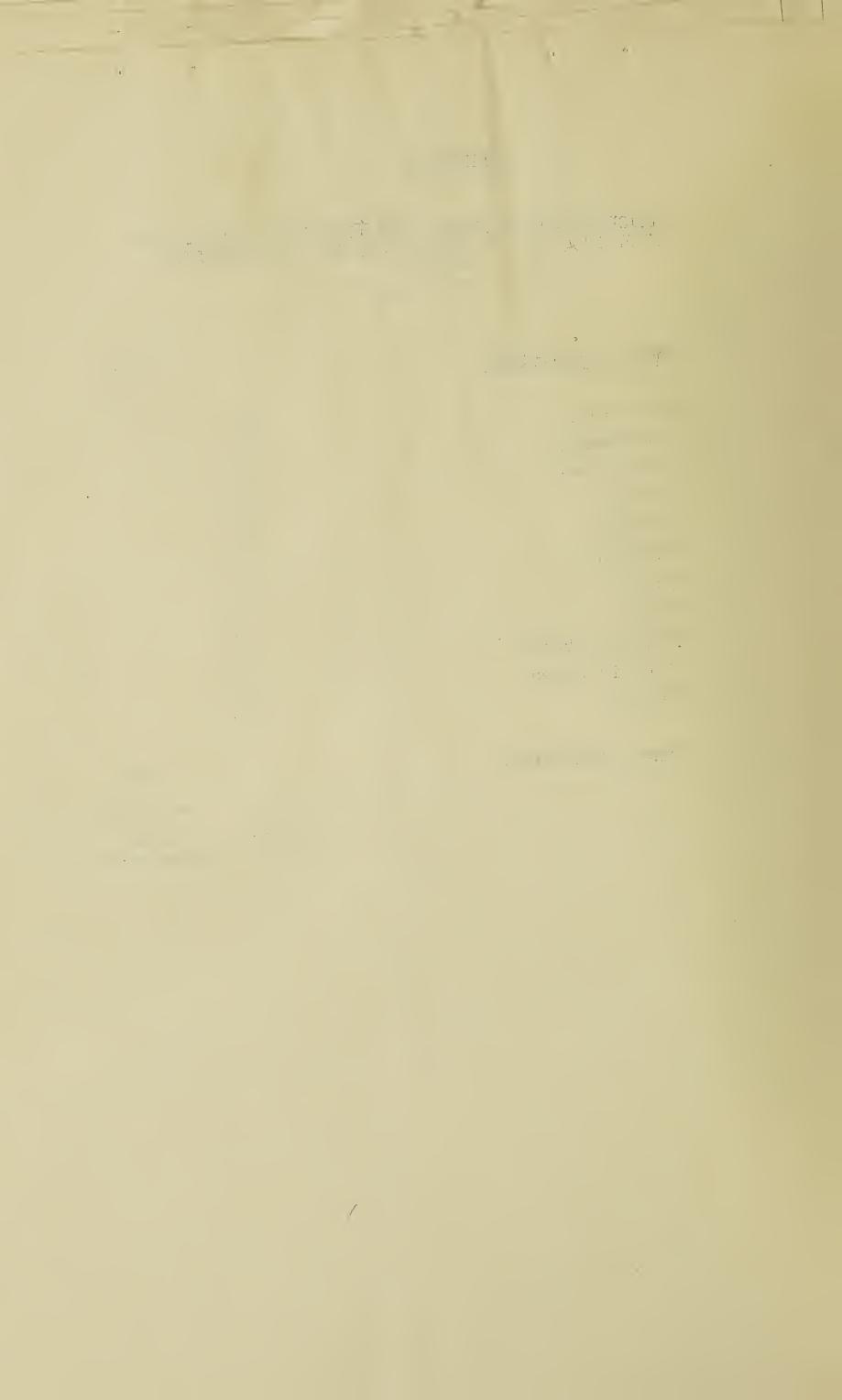
The estimated expenditure on medical services from Colony funds in 1954 including personal emoluments, amounted to \$2,278,995. This figure refers to Medical Department expenditure only, and does not include sums spent in the towns on such municipal conservancy measures as scavenging, removal of night—soil and inspections by Sanitary Board officials within the urban areas. Neither does it include capital expenditure on new buildings nor the generous aid which the Colony continued to receive during the year under Colonial Development and Welfare Schemes, and from the United Nations International Childrens Emergency Fund, the World Health Organisation and Colombo Plan Technical Assistance.

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APPENDIX A

MAJOR SURGICAL OPERATIONS PERFORMED DURING THE YEAR 1954 BY THE COLONY SURGEON AT JESSELTON + HOSPITAL.

Major Operations		261
Abdominal	110	
Orthopaedic	24	
Ano-rectal	24	
Hernias	19	
Tonsils	43	
Cranial	4	
Plastic	21	
Neck	7	
Varicose Veins	2	
Parotid Gland	3	
Breast	4	
Minor Operations		759
	Total	1,020



APPENDIX B

ANNUAL REPORT OF THE DENTAL SERVICE FOR 1954

The Dental Department has provided for the past year, as in 1953, mainly an emergency service.

There have been increases in the numbers of patients attending, in nearly all the phases of dental treatment, but it is particularly gratifying to note the considerable increase in the amount of conservative work done.

1. STAFF:

Dental Surgeon
Dresser attached from
Medical Staffl
Dental Technicianl
Probationer Nurse attached
from Medical Staff

EQUIPMENT:

The X-ray apparatus has been installed and proven invaluable. Most of the non-expendable equipment delivered during the year has been for the laboratory and this is now well equipped. Equipment ordered during the year included an air compressor, spot welder, and casting machine, and with the arrival of these it is expected that any usual procedure in dentistry can be attempted by this department.

3. SCOPE OF SERVICE:

The dental centre continues to be well patronised by school children from the various schools in Jesselton and from Kent College and the Trade School. Most of these complete their treatment which is now more of a conservative nature. One morning per week is reserved for expectant Mothers referred from the Health Centre.

Conservative treatment on adults has, of necessity, been mainly restricted to Europeans and better educated Asians by virtue of their better oral hygiene.

The generally poor condition of uneducated Asian and Indigent patients' mouths normally necessitates treatment by extraction. However, more and more Asians are now indicating their willingness to undergo oral rehabilitation, and fillings were possible.

Ranau and Labuan were visited during the year and as much inspection and treatment carried out as time permitted.

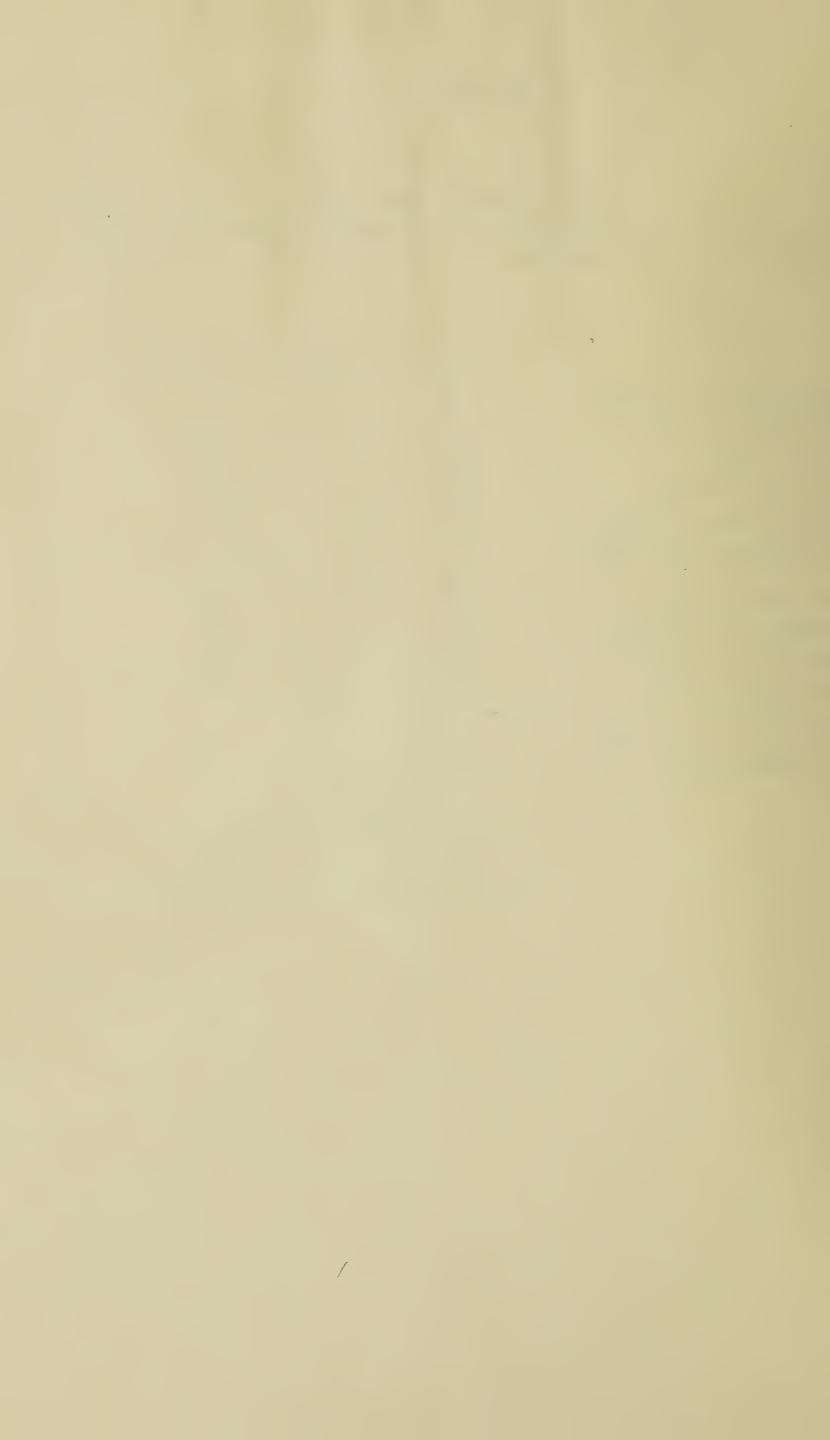
4. RECORDS OF TREATMENT PROVIDED:

Attendances included inspections	3,384
Number of teeth filled.	654
Number of temporary teeth extracted	1,619
Number of permanent teeth extracted	1,960
Other operations including temporary fillings, orthodontic appliances, splints and surgical cases	463
Number of general anaesthetics administered	114
Number of partial dentures fitted	85
Number of full dentures fitted	50
Number of denture repairs, including relines	15
Number of X-ray films used	75

APPEEDIX C

A table showing the medical and health staff of the Colony, including Mission doctors and private medical practitioners is appended:-

	Government	Missions	Private
Registered Physicians	11	1	12
Nursing Sisters	6	3	1.
Staff Nurses	孔4	q ura	por#
Trained Nurses	16	153W	\$-ACT
Probationer Nurses	28	\$4.504	Nort
Government Hospital Assistants	9	-	K ON
Trained Dressers	77	FLM	52
Probationer Dressers	54	фтя	₽ 48
Certified Midwives	29	3	38
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			- e - e -			44 - 30 M.			र्गहरण अञ्चल मन्त्रक्क पेरा प			ा अवस्था । स्वर्थकृत			
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STAFF

Marine Commission of the Commi		विके विकेश का व्यक्ति व्यक्ति उत्तर विकास व्यक्ति का व्यक्ति व्यक्ति विकास विकास व्यक्ति व्यक्ति विकास विकास व -	region has the second him		an analysis of the		-		লাম চেলাম গা কা	rdg nekydektorodeck	rilas ir mastrora	Armston a	STAR TOPE TO	ald This is a			Post Sign Cy - Miles Printer			
	Vac- an- cies	0	г	ī	1	1	i	_	13		-	ì	ı	1	1	1	1	1		
1954	Ac- tu- al	Н	H	Н	77	10	77	_	97		1	Н	176	7	9	7	77	77		
	Esta- blish ment	M	12	己	77	10	W	α	29			-	176	7	9	7	77	77		
	Vac- an- cies	N	-	1	1	1	ı		13		г	1	ì	ı	i	Н	ı	I		
	Ac- tu- al	Н	H	Н	M	10	M		91		1	Н	169	7	9	9	2	77		
1953	Esta- blish ment	κ	12	Н	М	10	77	C 1	29		٢٦	<u></u> Н	169	7	0	_	2	M		
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52	Ac- tu- al	Н.	rl	 1	N	77	107	_	20		1	ì	162	c O	9	9	3	M		
195	Esta- blish ment	M	9	-	10	15	12	C	29		1	i	169	70	(0)	7	10	17		
	Vac- an- cies	0	9	1	<u></u>	-			rU	*	g g	1	72	2	1	e se outer conte	1	i su errue an i	ingeren - guneragio men giveni	aller in en stefenmen Missen
51	Ac- tu- al	- 4	1	r}	2	77	7:0	<u> </u>	54		1	1	156	0	9	6	3	M		
1951	Esta- blish ment	10	9	Н	2	15	2	C/	29		ł	1	691	07	9	9	M	77		
n akar masa minakan masan masan m	Vac- an- cies	entre en rechi en la ciù de la La ciù de la ci		1	r-1		1	L	-	, a more a		1	S	Q	ı	2	Н	Н		
1950	Ac- tu- al	1	1	Н	0	12	2	Н	8		1	1	157	©	9	7	2	N		
. ,	Esta- blish ment	1	1	-	77	17	M	~	50		ŧ	3	159	10	9	9	2	M		
7. S.		(All the second of the second	aces also miss	nuot a em on q	str. e.	নিশিক্ষাক হ'ব	त्र क्यूनातः । क्यूनायः ॥	्रात्ता क्ष्मी चन्ना सुन्दाराज्यास्त्राच्या । क्ष्म	TC NOC.	**************************************	ar Armen & co	rair emiral	e der dyge mit dige upp	THE STATE SECTION	The second second	₹ • • • • • • • • • • • • • • • • • • •	and the second	og engrang o		nde 2 ye alv av - minds
	A CANADA AND A CA	HEALTH STAFF Health Inspector Special Grade	Health Inspector	Vaccinators	Rat catcher	Village Health Inspectors	Anti-Mosquito Assistants	MATERNITY & CHILD WELFARE Staff Village Midwives	Village Midwives	MISCELLANEOUS JUNIOR STAFF	Laboratory Assistant	Dental Mechanic	Attendants & Servants	Mandors	Messengers	Watchnen	Cooks at Hostels	Amahs at Hostels		

A STATE OF THE PARTY OF THE PAR		
Institutions (Government)	Number of institutions	Number of beds
 Hospitals: (a) General hospitals (institutions equipped to deal adequately with all general medical and surgical cases) (b) Cottage hospitals or infirmaries (smaller institutions equipped to handle only lighter cases, more severe cases being referred to General Hospital) 2. Dispensaries (institutions for treatment mainly of out-patients). (a) Exclusively for out-patients	20 10 10 10 10 10 10 10 10 10 10 10 10 10	350 192 156
5. Specialized units.	General Sspital	dispensary As separate
 (a) Maternity and Child Welfare Centres. (b) Tuberculosis. (c) Venereal disease. (d) Leprosaria. (e) Mental institutions. (f) Others. 	N 1	
Wobile units	Number of units	Total Staff



RETURN OF MORBIDITY AND MORTALITY FOR THE YEAR 1954

20 0 50	ALTO A LOST AND CO
M. O. S	STATIONS

1.

Sir - Bubildhia Mir	THE CONTRACT MATERIAL STATE OF	Out-	-patients	7	eda es a la la compositación el semble a finale el de la compositación de la composita	In-patients			
	0	New cases	Repeat cases	0	New cases adduring the y				
	Natives :	20,510	13,281	e •	3,327				
	Chinese	21,717	24,106	0	4,236				
	Others	4,489	4,894	0	1,692				
2.	andate main de main de main de main de main de main ann an de main de main de main de main de main de main de m O	OTHI	ER STATIC	OWS	A T I I I I I I I I I I I I I I I I I I				
Comment of the second of the second	arandranananananananan ara-ara-ara-ara-ara-ara-ara-ara-ara-ara	. Out-par	tients		: In-patients	** * * * * * * * * * * * * * * * * * *			
		New cases	Repea		: New cases a : during the				
	Natives	106,147	41,60)2	2,256				
	Chinese	20,760	14,21		399				
No. of Contract of the Contrac	Others	4,535	4,70	<u>ز</u> د	150 0	and the second section of the second			
	TOTAL	177,956	102,85	56	12,060				
3.	Patients seen at A or detailed Classi			l not	recorded in	above			
0	ச மைகை காச ச சுமைசார சணி சென்பிச சிருமாக	. M.O.'s Stations Oth			er Stations	Total			
P Strategram (Funds)	(1) New Cases	920	era ena e e a ter	குயுகு ≱ுள்ளுக	262	1,182			
0 0 a 5	(2) Repeat Cases	: 1,499			502	2,001			
40	Travelling Clinics			. 7 31 7 9		0			
0 8 0		. M.O's Sta	ations	Oth	er Stations	Total			
0 0 0 0	(1) New Cases	13,044	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	44	, 347	57,391			
5.	Operations:	M.O's Sta (including tions by Colony Su	opera- the	Oth	er Stations	Total			
0 0	(1) Major	÷ 792	0	,	-	. 792			
0	(2) Minor	2,955	0		879	3,834 :			
6.	Vaccinations:			ч к ы ы . <i>г</i>		A 3 1-3 4 13 6 F SHAFFING			
0	The final fine follows for a first of the fi	11.0. s	tations:	Ot	her Stations	Total			
•		: 10,253	•	5	, 629	:15,882			

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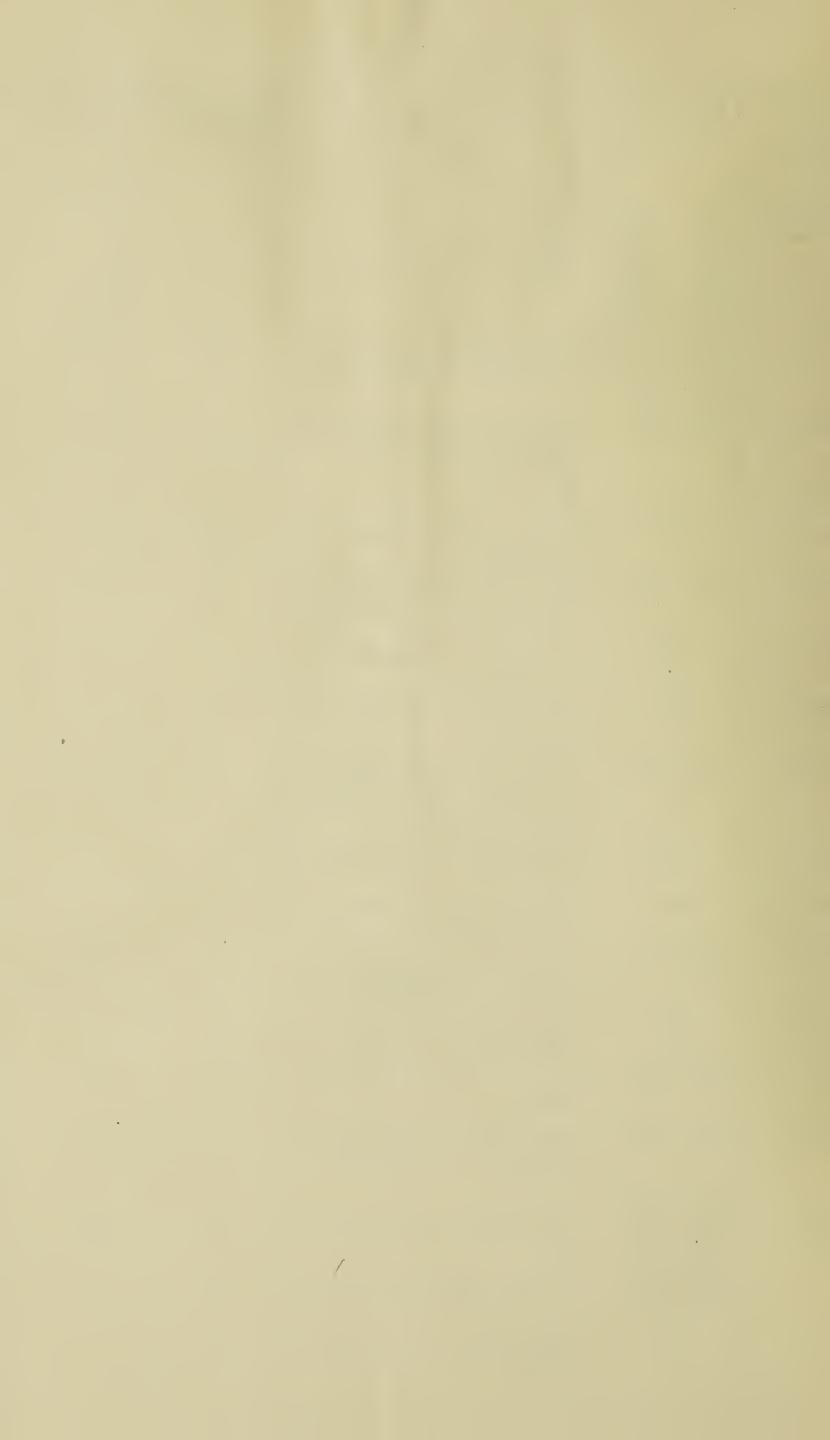
RETURN OF MORBIDITY & MORTALITY FOR THE YEAR 1954. MEDICAL OFFICERS REPORTS FOR 7 MAJOR TOWNS IN THE COLONY.

		The second control of	and with a state of contraction with a time at the state of the day as in the second	Similar and St. 18 St. St. St. St. St. St. And St.	Parinera araban seneratakan 1
Interme- diate List Number	Detailed List Numbers.	CAUSE GROUPS	Out-patient lst Attend- ances.	Admitted.	Died in Hosp- ital
A l	001-008	Tuberculosis of Rcs- piratory System	175	532	19
A 2	olo	Tuberculosis of men- inges and central nervour system		6	3
A 3	Oll	Tuberculosis of intes- tines, peritoneum & mesenteric glands	1	6	-
A 4	012,013	Tuberculosis of bones and joints	7	2	-
A 5	014-019	Tuberculosis, all other forms	18	8	1
A 6	020	Congenital Syphilis	good		ф. чансом ч
A 7	021	Early syphilis (Primary and Secondary)	7. 7	2	-
A 8	024	Tabes dorsalis	water	1	gone .
A 9	025	General paralysis of insane		1	
A 10	022,023) 026 - 029)	All other Syphilis	4	3	-
A 11 .	030-035	Gonococeal infections: (1) Acute (2) Other	22 8	10	
A 12	040	Typhoid Fever	-	5	1
A 13	041,042	Paratyphoid Fever and other Salmonella infections		1	
A 14	043	Cholera	MICH MICH	<u> </u>	-
A 15	OĦŢi	Brucellosis (undulant Fever)	epons Total		
A 16(a)	045	Bacillary Dysentery	-	11	
(b)	046	Amoebiasis	104	135	4
(c)	047,048	Other unspecified form of Dysentery	ns. 222	16	
A 17	050	Scarlet Fever	-	——————————————————————————————————————	-
.A 18	051	Streptococcal sore throat	23	To the second se	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
A 19	052	Erysipelas	2	7	-
A 20	053	Septicaemia and Praemia	**************************************	2	
A 21	055	Diphtheria		6	5
		Contract victor	,	ent article	1/3

		and the second s	and the statement of which is separate to the statement of the statement o	encomparation description of the contract of t	A 12 19 8 MIGG
Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient 1st Attend- ances.	In-patient Admitted	Died in Hosp- ital
A 22	056	Whooping Cough	14	1	1
A 23	057	Meningococcal infections	· 6.29	3	_
A 24	058	Plague	* ecr	_	_
A 25	060	Leprosy	1	3	-
A 26	061	Tetanus		3	2
A 27	062	Anthrax	_	_	-
A 28	080	Acute Poliomyelitis	2		
A 29	082	Acute infectious encephalitis		1	-
A 30	081,083	Late effects of acute Poliomyelitis and acute infectious encephalitis		3	
A 31	084	Small-pox	Prist.	N ancome	-
A 32	085	Measles	15	9	
A 33	091	Yellow Fever	_	-	MACTO
A 34	092	Infectious hepatitis	2	23	more
A 35	094	Rabies	8	23	n necom
A 36(a)	100	Louse-borne epidemic typhus		-	
(b)	101	Flea-borne endemic typhus (murine)	-	_	H
(c)	104	Tick-borne epidemic typhus	_	-	*****
(d)	105	Mite-borne typhus	-	3	_
(e)	102-103)	Other and unspecified typhus	1	5	
A 37(a)	110	Vivax Malaria (benign tertian)	98	90	access A A A
(b)	111	Malariae Malaria (Quartan)	10	3	
(c)	112	Falciparum Malaria (Malignant tertian)	255	249	9
(d)	115	Blackwater Fever	1	1	-
(e)	113,114) 116,117)	Other and unspecified forms of Malaria	4,060	506	17
A 38(a)	123.0	Schistosomiasis vesical (S. haematobium)			_
(b)	123.1	Schistosomiasis intes- tinal (S. mansoni)			
(c)	123.3	Other & unspecified schistosomiasis	-		-
A 39	125	Hydatid Discase	-		-
A 40(a)	127	Onchocerciasis		oscial in the second se	-
			TOTAL CONTRACTOR OF THE PROPERTY OF THE PROPER	A. 图 () · · · · · · · · · · · · · · · · · ·	/4

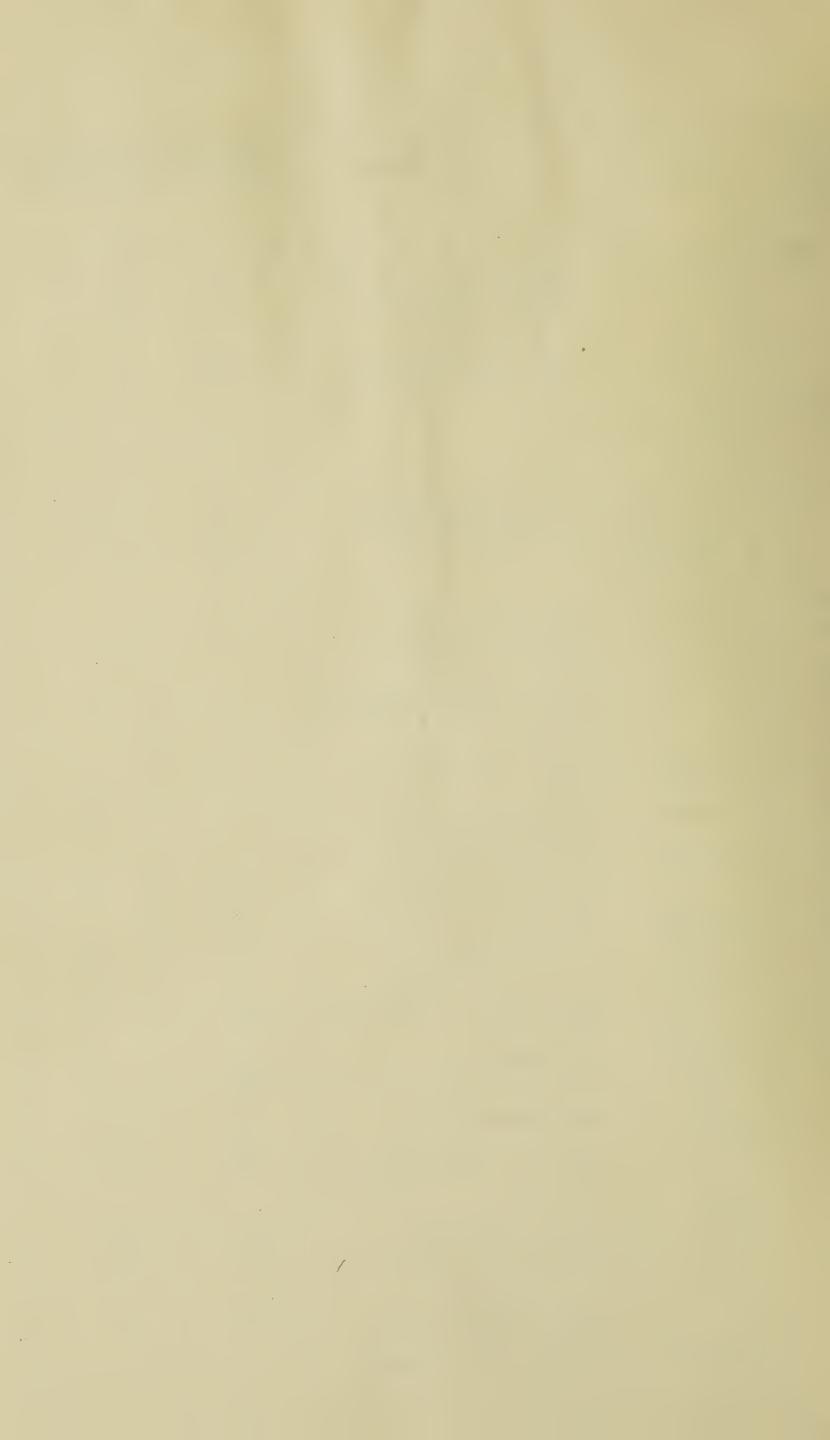
	ுகாணுவாணுக்கு இல் இல் இல்இந்துக் குறைத் வாண்ட்கு	raciones describes a autopos son indicates a substituta a substituta de la lacción de cumbro del casa for el lacción de la lacción de	. Millian . M M Market . Millian	o and a second control of the second control	9 4 3 Ta - W- A-03
Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient lst Attend- ances	Admitted	Died in Hosp-ital.
A LOCK 1	e de les les les les les especies et le les les les les les les les les les	Loisais	iggi japanin i ari verik ere ar ar ar ar ar 12 me		pu
A 40(b) (c)	1	Filariasis (bancrofti)	94.0		-
(d)		Other filariasis	3	1	
A 41	4	Ankylostomiasis	491	59	•
A 42(a)	- (Tapeworm (infestation) and other cestode infestations	2		
(ď)	130.0	Ascariasis	1,124	74	2
(c)	130.3	Guinea worm (dracun-	_		
(d)	124,128 130.1,130.2	Other diseases due to helminths	584	11	
A 43(a)	037	Lymphogranuloma venereum	A priori		
(b)	038	Granuloma inguinale, venereal			Andrew St. Co. Co. Co. Co. Co. Co. Co. Co. Co. Co
(a)	039	Other & unspecified venercal diseases	P d d h d g bactos	p 	A decorate
(d)	04.9	Food poisoning infection and intoxication	ema 1	2	F
(e)	071	Rolapsing Fever	N BAND	Miles	Accres
(f)	072	Lentospirosis ictero- hacmorrhagica (Weil's Disease)	water		-
(g)	073	Yaws	1,073	27	i
(h)	037	Chicken-pox	15	23	derra M H
(i)	090	Dengue	and .	1	4 6 00 44
(j)	095	Trachoma	5	2	A .
(k)	096.7	Sandfly Fever		4 64798 2 0	H
(1)	120	Leishmaniasis	-) P	,
(m)	121(a)	Trypanosomi a sis gam- biensis	entre);	Sp. mrst-sp.
	(b)	Trypanosomiasis rhod- esienis	* cos	, pro	· -
	(c)	Other and unspecified trypanosomiasis	-	* ************************************	6
(n)	131	Dermatophytosis (Kurap, etc.)	11,041	13	i mene
(0)	135	Scabics	340	7+ .	C prom
	A CONTRACTOR OF THE CONTRACTOR		*	Pak Grove a	
		The proof of the p		F 17-50 - 50 - 50	/5

Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Dut-patient 1st Attend- ances	In-patient Admitted	Died in Hosp- ital
A 43(p)	074, 086,)	All other discases	59	<u>L</u> L	
	088, 089,) 093,096.1- 096.6,096.8, 096.9,122) 132-134,)	Classified as infec- tive and parasitic	4.13	26	-
A Tift	136-138.) 140-148	Malignant neoplasm of buccal cavity and pharynx		3	1
A 45	150		M 4	Martin Color	य स म
A 46	151	Malignant neoplasm of stomach	3	15	3
A 47	152, 153	Malignant neoplasm of intestine, except rectum	No. of the control of	<u>.</u> L ₁ .	3
A. 48	154	Malignant neoplasm of rectum	9 9 		
A 49	161	Malignant neoplasm of larynx		1	
A 50	162, 163	Malignant neoplasm of trachea, and of bronch and lung not specified as secondary			
A 51	170	Malignant neoplasm of breast	Marie Marie	l l	A pure
A 52	171	Maligmant neoplasm of cervix uteri	e ends	7	2
A 53	172-174	Malignant neoplasm of other and unspecified parts of uterus			; 1 ;
A 54	177	Malignant neoplasm of prostate	-		y pow
A 55	190, 191	Malignant neoplasm of skin	1	<u>.</u> 4	*
A 56	196, 197	Malignant neoplasm of bone and connective tissue	man man	3	2
A 57	155-160) 164,165) 175,176) 178-181)	Malignant neoplasm of all	8	31	: 4
	192-195)	Other and unspecified sites	3	7	2
A 58	204	Leukaemia and aleuka- emia	9 9 8		R moone
			A THE PROPERTY OF THE PROPERTY		/6

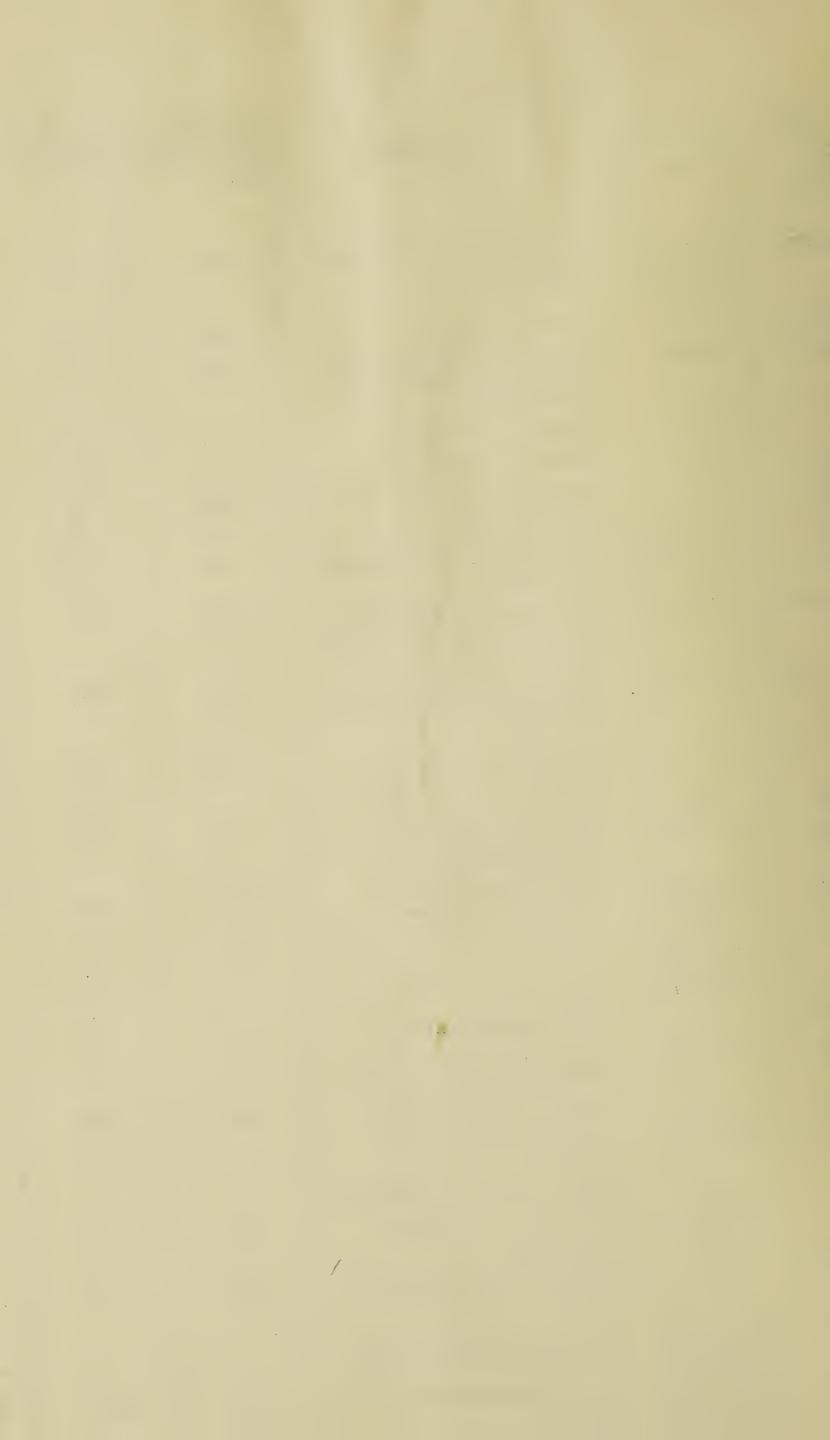


Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient lst Attend- ances		Died in Hosp- ital
A 59	200-203, 205	Lymphosarcoma and other neoplasms & haematopoietic System		2	2
A 60	210-239	Benign neoplasms of unspecified nature	7	27	
A 61	250,251	Nontoxic goitre	28	8	E manue
A 62	252	Thyrotoxicosis with or without goitre	2	5	2
A 63	260	Diabetes Mellitus	15	29	3
A 64(a)	280	Beri-beri	8	10	1
(d)	281	Pellagra	The state of the s	#	-
(c)	282	Scurvy	arms.	-	1
(d)	283-286	Other dificiency states	182	19	
A 65(a)	290	Pernicious and other hyperchromic anaemias	2	2	Section Sectio
(a)	291	Iron deficiency anaemias (hypochromic)	702	97	2
(c)	292,293	Other specified and unspecified anaemias	1,710	80	2
A 66(a)	241	Astlima	549	105	2
(d)	2140	All other allergic disorders	74.	10	
	242-245) 253,254) 270-277) 287-289) 294-299)	Endocrine, metabolic and blood diseases	10	9 9	The second secon
A 67	300-309	Psychoses	examp	55	1
A 68	310-324) 326	Psychoneuroses and disorders personality	2	13	1 1 0 1 H
A 69	325	Mental deficiency	2	54	ects
A 70	330-334	Vascular lesions affec- ting central nervous system	The state of the s	6	
A 71	340	Non-meningococcal Meningitis	Signature Signat	6	2
A 72	345	Multiple sclerosis	-	pro-s	The control of the co
A 73	353	Epilepsy	13	19	T acce
A 74	370-379	Inflammatory diseases of eye	1,045	104	to a second
A 75	385	Cataract	25	12	Part and the second
A 76	387	Glaucoma	prote	1	-
A 77(a)	390	Otitis externa	455	17	To the state of th

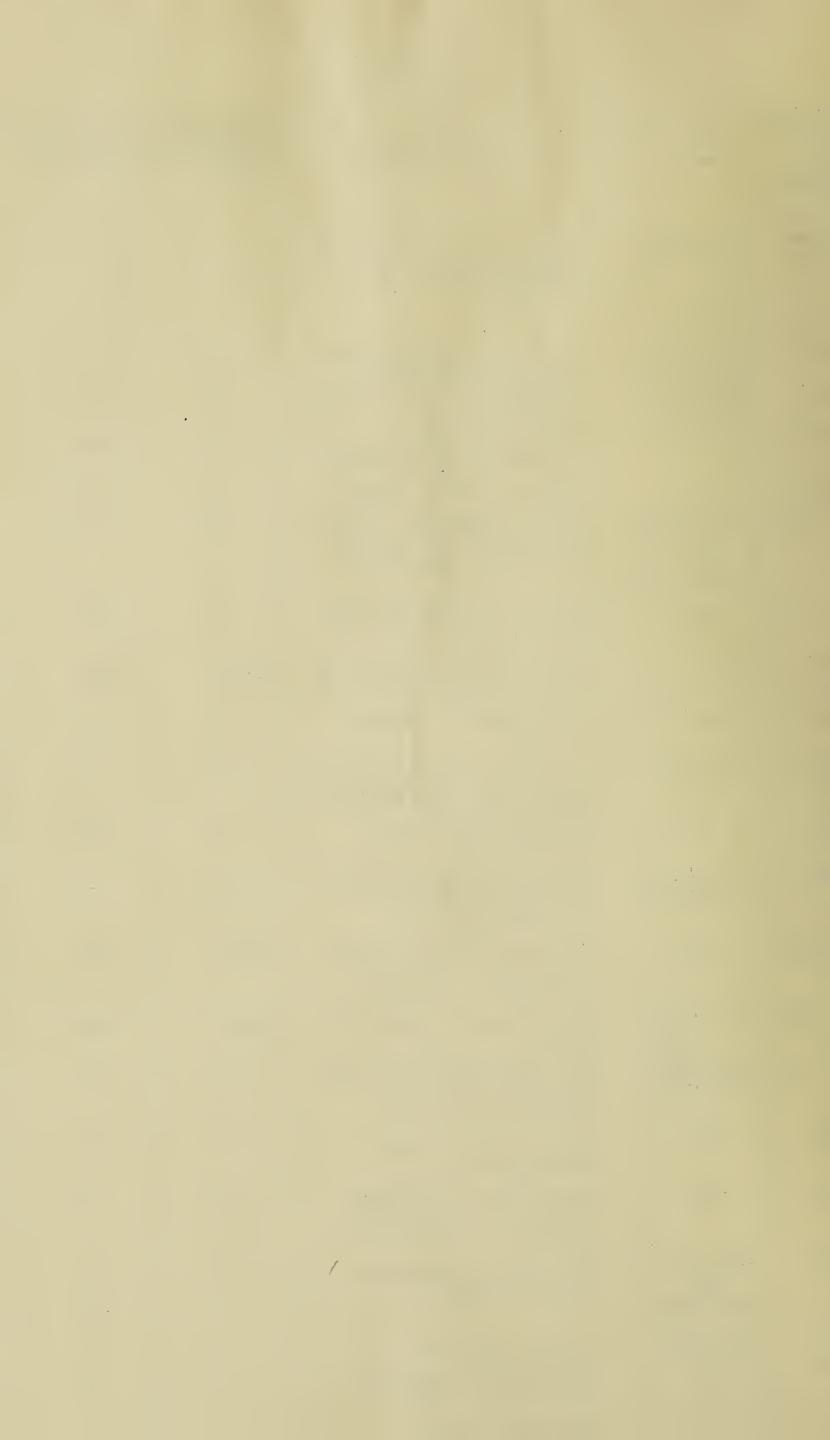
				e de la militar	Mahadi — Mini Man Almin Vill
Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient lst Attend- ances.		Died in Hosp- tal
A 77(b)	391-393	Otitis media and mas-	247	22	
Tigerone		toiditis Other inflammatory disease of ear	156	30	deco
(c)	394	All other diseases and conditions of eye	263	71 .	7
A 78(a)	380-384)		2	2	Bridge
and the second second	386,388) 389			**************************************	
(d)	341,344)	All other diseases of	222	46	2
CT ACT CT THE	350-352) 354-357) 360-369) 395-398)	the nervous system and sense organs	138	5	1
A 79	400-402	Rheumatic Fever	5	5	goda
A 80	410-416	Chronic rheumatic heart disease			
A 81	420-422	Arteriosclerotic and degenerative heart discase	1	4	1
A 82	430-434	Other diseases of heart	14,	4-1	5
A 83	440-443	Hypertension with heart disease		4	1
A 84	444-447	Hypertension without mention of heart	5	14	5
A 85	450-456	Diseases of arteries	2	2	1
A 86	460-468	Other discases of circulatory system	131	93	4
A 87	470-475	Acute upper respiratory infections	1,815	58	kane
A 88	480-483	Influenza	3,205	52	1
A 89	490	Lobar pneumonia	4	747+	1
A 90	491	Bronchopneumonia	21	133	24
A 91	492,493	Primary a typical, other and unspecified pneumonia	694	425	12
A 92	500	Acute bronchitis	1,063	135	•-
A 93	501,502	Bronchitis, chronic & unqualified	1,516	157	1
A 94	510	Nypertrophy of ton- sils & adenoids	274	111	
A 95	518,521	Empyena and abscess of lung	aves	3	1
A 96	519	Pleurisy	5	9	
A 97(a)	523	Pneumoconiosis	4	1	
	and the second s			R	/8



Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient lst Attend- ances.	In-patient Admitted	Died in Hosp- ital
A 97(b)	511-517) 520-522) 524-527)	All other respiratory diseases	556	121	2
A 98(a)	530	Dental Caries	998	28	
A 99(b)	531-535	All other diseases of teeth and supporting structures	326	21	
	540	Ulcer of stomach	greta 1	8	The second of th
A 100	541	Ulcer of duodenum	1	12	1
A lOl	543	Gastritis and duodenitis	686	51	1
A 102	550-553	Appendicitis	8	77	1
A 103	560,561) 570	Intestinal obstruction and hernia	41	444	6
A 104(a)	571.0	Gastro-enteritis and colitis between 4 weeks and 2 years	532	66	9
(d)	571.1	Gastro-enteritis and colitis, ages 2 years and over	781	87	1
(c)	572	Chronic enteritis & ulcerative colitis	67	33	5
A 105	581	Cirrhosis of liver	graces	30	6
A 106	584,585	Cholelithiasis and cholecystitis	7+	8	1
A 107	536-539) 542,544) 545	Other diseases of digestive system	1,338	201	8
	573-580) 582,583) 586,587)		CY BOTH	7 2 3	Common of the co
A 108	590	Acute nephritis	12	31	8
A 109	591-594	Chronic, other and unspecified nephritis	6	9	3
A 110	600	Infections of kidney	12	18	
A 111	602,604	Calculi of urinary system	g.ma	14	By Comment of the Com
A 112	610	Hyperplasia of prostate	W.C.W		•~•
A 113	620,621	Diseases of breast	19	9	-
A 114(a)	613	Hydrocele	3	1	
(d)	634	Disorders of menstru- ation	105	39	SE THE AMERICAN SERVICES
(c)	(605-609)	All other diseases of		3	of the second se
	611,612) 614-617) 622-633) 635-637)	the Genito-urinary system	198	129	1 /9
	(ARC) TO A		7	7	1



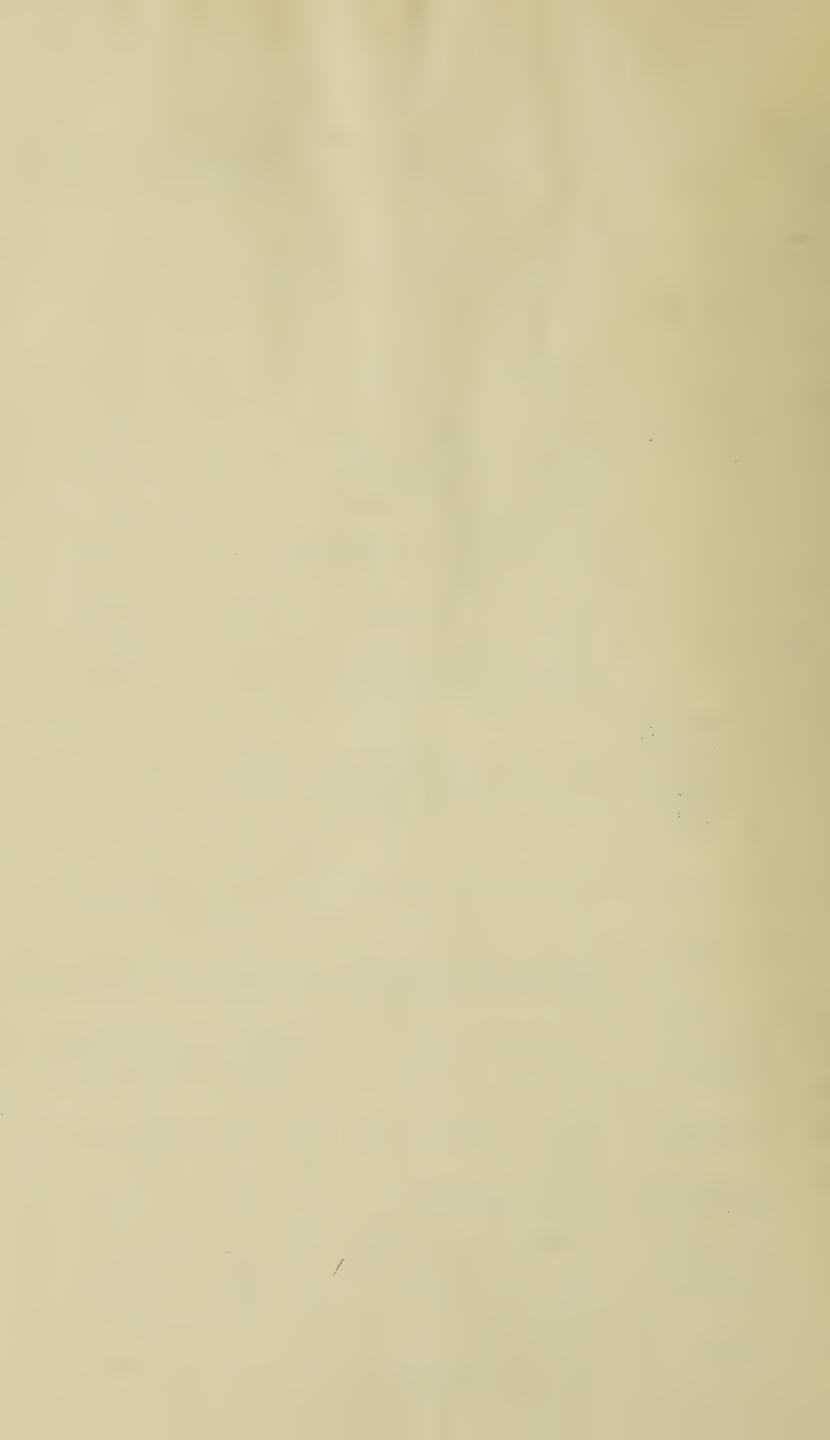
Interme- diate List Number	Detailed list Numbers	CAUSE GROUPS	Out-patient lst Attend- ances	In-patient Admitted	Died in Hosp- ital
A 115	640-641)	Sepsis of pregnancy, childbirth and the pucrperium	висня	6	
	684		7	12	2
A 116	642,652) (685,686)	Toxaemias of pregnancy and the puerperium	11	22	3
A 117	643,664) 670-672)	Haemorrhage of pregnancy & Childbirth	į	128	
A 118	650	Abortion without mention of sepsis or toxaemia	13	120	11 And 12
A 119	651	Abortion with sepsis		10	,
A 120(a)	645-649) 673-680) 683	Other complications of pregnancy, childbirth and the puerperium	5	97	
	687-689)		À	1	_
(७)	660	Delivery without com- plications	5	912	A STATE OF THE STA
A 121	690-698	Infections of skin and subcutaneous tissue	1,846	342	
A 122	720-725	Arthritis and spond- ylitis	129	55	-
A 123	726,727	Muscular rheumatism and rheumatism unspecified	807	45	-
A 124	750	Osteomylelitis and periostitis	8	22	
A 125	737 745-749	Ankylosis and acquired musculo-skeletal deformities	gazerii Analina	5 2	1
A 126(a)	715	Chronic ulcer of skin (including tropical ulcer)	2,080	86	-
(a)	700-714) 716)	All other diseases of skin	2,409	194	erin, m Britan B
(c)		All other diseases of musculo-skeletal system	9	6	AT TO SERVICE STATES OF THE SERVICE STATES O
A 127	751	Spina bifida and meningocele		d comme	
A 128	754	Congenital malforma- tions of circulatory system	3	2	
A 129	750,752)	All other congenital	1	6	-
	753) 755-759)	malformations	BOOM C	1	
A 130	760,761	Birth injuries	2	3	1
A 131	762	Post-natal asphyxia and atelectasis	guera 1	-	-
A 132(a	764	Diarrhoca of new- born (under 4 weeks)	6	and the second s	/10.



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diate	Detailed List Numbers	CAUSE GROUPS	dut-patient l lst Attend- A ances	In-patient Admitted	Died in Hosp- ital	
1 770(h)	765	Ophthamia neonatorum	A STATE AND AND LEASE OF A STATE	2	1	
A 132(b) (c)	763,)	Other infections of newborn	6	5	4	
A 133	766-768) 770	Haemolytic disease of new-born		and a second	-	
A 134	769 771,772)	All other defined dis- cases of early infancy		24	13	
A 135	773,776	Ill-defined diseases peculiar to early in-	3	5	1	
		fancy, and immaturity unqualified	*			
A 136	794.	Senility without mention of psychosis	18	28	2	
A 137(a)	788.8	Pyrexia of unknown origin	2,120	43	6 C10M	
(b)	793	Observation, without need for further me-dical care	347	527	2000 1000 1000 1000 1000 1000 1000 1000	
(c)	780-787) 788.1-) 788.7) 789.9 789-792) 795	All other ill-defined causes of morbidity	2,030	121	5	
SANCETE AND P. R. S. A. A. L. W.			****	AN BENERAL AND	A restrict to the print to the Month of the State of the	

CODE, ALTERNATIVE CLASSIFICATION OF ACCIDENTS, POISONINGS, AND VIOLENCE (EXTERNAL CAUSE).

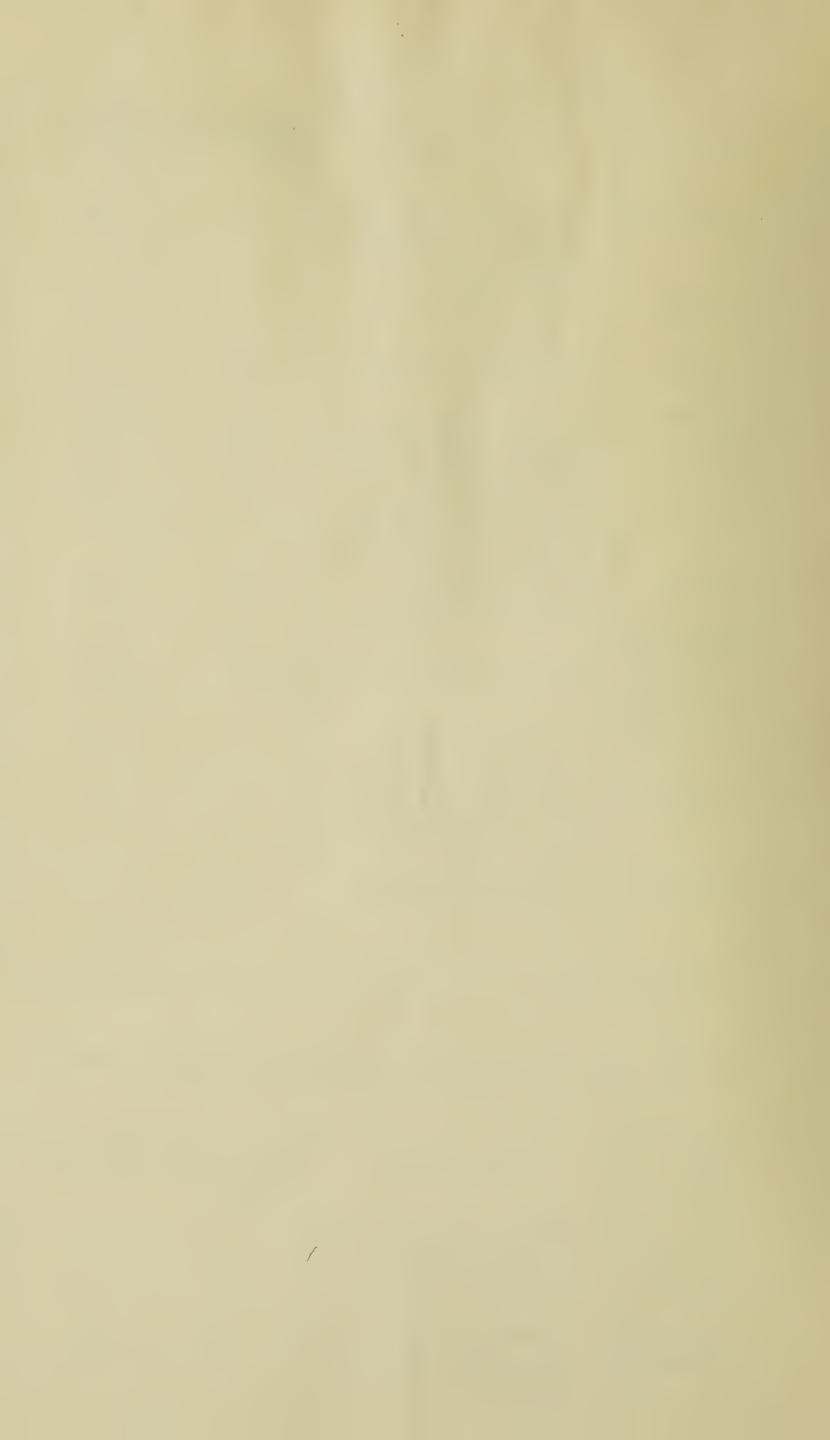
			*** * * * * * * * * * * * * * * * * *	e a dissidence as a de dissidence as	A A A A B 2436
	Detailed List Numbers	CAUSE GROUPS	Out-patient lst Ailend- ances.	In-patien Admitted	t Diod in Mosp- ital
AE 138	E810-E835	Motor vehicle acci- dents	19	Ĺι.O	5
	E800-E802) E840-E866)	Other transport accidents	103	21	1
AE 140	E870-E895	Accidental poisoning	a nd	12	5
	E900-E904	Accidental falls	639	1.64	3
AE 142	E912	Accident caused by machinery	61	39	1
AE 143	E916	Accident caused by fire and explosion of combustible material	9	10	1
		A Profitting C after a state of the state of			/11



	green, or an area at the street of	commence of the commensuration of the control of th	p		1 zi m mizza
Interme- diate List Number	Detailed List Numbers	CAUSE GROUPS	Out-patient I lst Attend- A ances.	Admitted	Died in Hosp- ital
AE 144	E917,E918	Accident caused by hot substance corrosive liquid, steam and radiation	150	53	6
AE 145	E919	Accident caused by firearm	Access of	3	
AE 146	E929	Accidental drowning & submersion	17	2	-
AE 147	(a)E920	Foreign body entering	33	12	
	(b)1923	eye and adnexa Foreign body entering	45	16	
	(c)E927	other orifice Accidents caused by bites and stings of venomous animals and	122	32	62003
	(a)E928	insects Other accidents caused by animals	35	13	
	e)E910,E911 E913-E915 E921-E922 E924-E926) causes	1,891	508	3
AE 148	E970-E979			3	T entreported
AE 149	Е980-Е985	Homicide & Injury purposely inflicted by other persons (not in war)	No come		GA COM
AB 150	E990-E999	Injury resulting from operations of war		and a	
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"N" CODD. ALTERNATIVE CLASSIFICATION OF ACCIDENTS, POISON-INGS, AND VIOLENCE (NATURE OF INJURY)

Interme- diate List Number	Detailed List Numbers.	CAUSE GROUPS	Out-patient 1st Attend- ances	In-patient Admitted	Died in Hosp- ital
AN 138	N800-N804	Fracture of skull	ence.	20	6
AN 139	N805-N809		2	22	3
AN 140	N810-N829	Fracture of limbs	46	140	1
AN 141	N830-N839	Dislocation without Fracture	31	14	
	*		The state of the s	**************************************	/12



on entitioning state (\$200) = \$1.00 °C.	கல் நடக்ட நடக்கு சுறும் கூட 147 - 18 - 18 - 19 - 19 - 19 - 19 - 19 - 19	a a constraint with the second demonstrate in the second terms of the second terms.	A. S.	K a switchers in the section	1
Interme- diate List Number	Detailed List Numbers	CAUSE CROUPS	Out-patient 1st Attend- ances	Admitted	Died in Hosp- ital
AN 142	N840-N848	Sprains and strains of joints and ad- jacent muscle	430	43	and the second s
AN 143	N850-N856	Head injury (exclu- ding fracture)	3	24	1
AN 144	N860-N869	Internal injury of chest, abdomen, and polvis		9	3
AN 145	N870-N908	Laceration and open wounds	1,138	408	2
AN 146	N910-N929	Superficial injury, contusion and crush- ing with intact skin surface	1,086	152	
AN 147	N930-N936	Effects of foreign body entering through orifice	98	21	Y Y
AN 148	N940-N949	Burns	153	63	7
AN 149	N960-N979	Effects of Poisons	17	7	1
AN 150	N950-N959)	All other and unspeci- fied effects of ex- ternal causes	120	18	Acres
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